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York City." The paper was illustrated by a large number of lantern slides made and colored from nature, the beauty of which elicited many expressions of admiration from the audience. The paper was discussed by the Secretary, who expressed the hope that those present would follow up their acquaintance with our wild flowers made from the lantern slides, by a personal acquaintance made in the field during the coming season, in connection with the excursions of the Club and of the summer class in botany. Dr. Britton called attention to the scientific features of such accurate illustrations, by which he had noted that a rare species of *Asclepias*, *A. decumbens*, not previously reported from this locality, occurred in the vicinity of New York. He also mentioned the strong contrast between the lowland and mountain forms of *Eupatorium purpureum* as endorsing his view that they were distinct species.

Dr. Britton called attention to two important publications, viz., 1, American Algae, Century 1, 1894, by Miss Josephine E. Tilden, of the University of Minnesota; 2, Phycotheca boreali-Americanae, fascicle 1, by Messrs. Collins, Holden and Setchell.

Index to recent Literature relating to American Botany.

Allen, T. F. Japanese Characeae—II. Bull. Torr. Bot. Club, **22**: 68–71. 26 F. 1895.

Describes *Nitella pulchella*, *N. subglomerata japonica*, and *N. subluens* as new.

Arthur, J. C. Black-knot and other Excrescences. Trans. Ind. Hort. Soc. 1894: 76–80. 1894.

Arthur, J. C. Discrimination of Diseases without the Use of the Microscope. Amer. Florist, **9**: 646. 22 F. 1894. Also Ann. Rep. Am. Carnation Soc. 1894: 8–14. 1894.

Describes seven or eight fungous diseases of carnation and tells how to recognize them aided only by a hand lens.

Arthur, J. C. and **Holway, E. W. D.** Uredineae exsiccatae et icones. Fascicle I. Decorah. pp. 4. *pl.* 3. 31 packets of specimens. S. 1894.

Contains 17 species of Lepto-Uredineae, with drawings of the spores on a uniform scale of magnification.

- Bastin, E. S.** Structure of *Cimicifuga*. Am. Journ. Pharm. 67: 121-128. f. 1-7. Mr. 1895.
- Bates, J. M.** Notes on the Trees of Northern Nebraska. Am. Nat. 28: 1034-1036. D. 1894.
- Beach, S. A.** Some Observations on the Life-history of *Plowrightia morbosa* (Schw.) Sacc. Ann. Rep. N. Y. Agr. Exp. Sta. (Geneva) 1893: 686-688. 1894.
An infection of young nursery stock from the conidia of 1892 (or possibly from ascospores of the following winter), produced an outbreak of the knots in June, 1893.
- Bessey, C. E.** Notes on the Distribution of the Yellow Pine in Nebraska. Gard. & For. 8: 102-103. 13 Mr. 1895.
- Britton, E. G.** Contributions to American Bryology—IX. A Revision of the Genus *Scouleria* with Description of one new Species. Bull. Torr. Bot. Club, 22: 36-43. pl. 227. 15 Ja. 1895.
Describes *S. marginata* from Washington and California.
- Britton, E. G.** Contributions to American Bryology—X. Bull. Torr. Bot. Club, 22: 62-68. pl. 229-231. 26 F. 1895.
Discussion of *Physcomitrella patens* and *Aphanorhagma serrata* and a hybrid of the latter with some *Physcomitrium*, with plates.
- Britton, N. L., and Kearney, T. H., Jr.** An Enumeration of the Plants collected by Dr. Timothy E. Wilcox and others in Southeastern Arizona. Trans. N. Y. Acad. Sci. 14: 21-44. Ja. 1895.
New species in *Aristida*, *Muhlenbergia*, *Mirabilis*, *Berberis*, *Cercocarpus*, *Erythrina* and *Kuhnistera*.
- Budd, J. L.** The Russian Thistle in its natal Home. Bull. Iowa Agr. Exp. Sta. 26: 30-33. 1894.
- Campbell, D. H.** Observations on the Development of *Marattia Douglasii* Baker. Ann. Bot. 8: 1-20. pl. 1-2. Mr. 1894.
- Campbell, D. H.** The Origin of the sexual Organs of the Pteridophyta. Bot. Gaz. 20: 76-78. 16 F. 1895.
- Cheney, L. S.** Leucoplasts. Bot. Gaz. 20: 81. 16 F. 1895.
- Chester, F. D.** Report of Mycologist. Sixth Rep. Del. Exp. Sta. 1893: 103-132. Ja. 1895.
Gives treatment for Peach rot (*Monilea*); observations on rot of scarlet clover (*Sclerotinia Trifoliorum*), *Colletotrichum* in cow pea seed and ripe rot (*Colletotrichum phomoides*) of tomatoes.
- Collins, F. S., Holden, I. and Setchell, W. A.** Phycotheca Boreali-Americana. Fascicle I. Malden, Mass. 1895.

- Coulter, J. M.** New or noteworthy Compositae from Guatemala. Bot. Gaz. 20: 41-53. *pl.* 5-6. 16 F. 1895.
Describes *Vernonia Luxensis*, *V. Heydeana*, *V. Shannoni*, *Ageratum rugosum*, *Eupatorium griseum*, *E. vernonioides*, *Willoughbaeya globosa*, *Mallinoa* (*n. g.*) *corymbosa*, *Polymnia Quichensis*, *Montanoa Samalensis*, *Verbesina Donnell-Smithii*, *Perezioopsis* (*n. g.*) *Donnell-Smithii*, with plates of the two new genera.
- Coville, F. V.** Report of the Botanist U. S. Department of Agriculture for 1893. Rep. Secy. Agric. 1893: 235-244. 1894.
- Crandall, C. S.** The Russian Thistle. Bull. Col. Agr. Exp. Sta. 28: pp. 18. *pl.* 6. S. 1894.
- Davis, B. M.** *Euglenopsis*; a new Alga-like Organism. Ann. Bot. 8: 377-390. *pl.* 19. D. 1894.
- Deane, W.** Notes from my Herbarium—I. Bot. Gaz. 20: 12-15. 18 Jy. 1894.
- Dewey, L. H.** The Russian Thistle. Cir. Div. of Bot. U. S. Dept. Agric. 3: pp. 8. *f.* 3. 1894.
- Eggleston, W. W.** The Flora of Mt. Mansfield. Bot. Gaz. 20: 72-75. 16 F. 1895.
- Ellis, J. B. and Everhart, B. M.** New Species of Ustilagineae and Uredineae. Bull. Torr. Bot. Club, 22: 57-61. 26 F. 1895.
Species of *Ustilago*, *Entyloma*, *Uromyces*, *Puccinia* and *Aecidium*.
- Foerste, A. F.** Botanical Notes. Bot. Gaz. 20: 78-80. 16 F. 1895.
Spreading of raspberry bushes and superposed buds and leaf scars.
- Ganong, W. F.** An Outline of Phytobiology. Educational Review, St. John, New Brunswick. Je. 1894 [Reprint, pp. 15, St. John, 1894].
- Gepp, A.** Additional Notes on Mr. W. R. Elliott's Hepaticae. Journ. Bot. 33: 82-84. Mr. 1895.
Notes on *Lejeunea* and *Metsgeria*.
- Guignard, L.** Sur l'existence et la localisation de l'emulsine dans les plantes du genre *Manihot*. Bull. Soc. Bot. France, 4: 101-107. 1894.
- Guppy, H. B.** On the Habits of *Lemna minor*, *L. gibba* and *L. polyrrhiza*. Journ. Linn. Soc. Bot. 30: 323-330. 6 O. 1894.
- Halsted, B. D.** Some fungus Diseases of Beets. Bull. N. J. Exp. Sta. 107: pp. 13. *f.* 5. 10 Ja. 1895.
- Handy, R. B.** Peanuts: Culture and Uses. Farm. Bull. U. S. Dept. Agric. 25: pp. 24. *fig.* 1895.

- Harms, H.** *Plantae Lehmannianae in Colombia et Ecuador collectae-Passifloraceae.* Beibl. Engler's Bot. Jahrb. **18**: Hft. 5. 1-14. 21 Ag. 1894.
- Havard, V.** Family Nomenclature. Bull. Torr. Bot. Club, **22**: 77, 78. 26 F. 1895.
- Hay, G. U.** Report on Botany. Bull. Nat. Hist. Soc. New Brunswick, **12**: 69, 70. 1894.
- Heller, A. A.** Botanical Explorations in Southern Texas during the Season of 1894. Contrib. Herb. Franklin and Marshall College **1**: 1-116. *pl.* 9. 6 F. 1895.
List of a large number of species with synonymy, and critical notes, novelties being described in *Panicum*, *Rumex*, *Amorpha*, *Kuhnistera*, *Sida*, *Samolus*, *Asclepias*, *Cressa*, *Verbena*, *Pentstemon* and *Houstonia*.
- Hieronymus, G.** *Plantae Lehmannianae in Colombia et Ecuador collectae additis quibusdam ab aliis collectoribus ex iisdem regionibus allatis determinatae et descriptae.* Compositae. Engler's Bot. Jahrb. **19**: 43-75. 13 Ap. 1894.
- Hill, E. J.** *Tradescantia Virginica* var. *villosa* Watson. Bull. Torr. Bot. Club, **22**: 71-73. 26 F. 1895.
- Hooker, J. D.** *Aphaerema spicata.* Curt. Bot. Mag. **51**: *pl.* 7398. F. 1895.
Native of South Brazil.
- Howe, M. A.** Chapters in the early History of Hepaticology.—III., IV. *Erythea*, **3**: 1-6, 25-30. 1 F. 2 Ja. 1895.
Review of Columna, Caspar Bauhin and others.
- Howell, T.** New Species of Pacific Coast Plants. *Erythea*, **3**: 32-36. 1 F. 1895.
New species in *Lepidium*, *Arabis*, *Cardamine*, *Mitella*, *Saxifraga*, *Ribes*, *Eriogon*, *Senecio* and *Phacelia*.
- Jenman, G. S.** *Aspidium (Lastrea) basiattenuatum.* Gard. Chron. **17**: 132. 2 F. 1895.
A new species from Jamaica.
- Jenman, G. S.** *Polypodium (Goniopteris) nigrescentium.* Gard. Chron. **17**: 100. Ja. 1895.
A new species from Jamaica.
- Koehne, E.** *Glossopetalon meionandrum* n. sp. Gartenflora, **43**: 237-240. *f.* 52. 1 My. 1894.
- Koehne, E.** *Quercus Gambelii.* Gartenflora, **44**: 6-10. *f.* 1. 1 Ja. 1895.

Knuth, P. E. Loew's Blüthenbiologische Floristik die mittleren und nördlichen Europa sowie Grönlands. Biol. Centr. 15: 78. 15 Ja. 1895.

A brief review of Loew's work.

Lindau, G. Beiträge zur Argentinischen Flora. Beibl. Engler's Bot. Jahrb. 19: Hft. 4. 8. 28 D. 1894.

Macoun, J. The Forests of Canada and their Distribution, with Notes on the more interesting Species. Trans. Royal Soc. Can. 12: Sec. 4. 3-20. 1894.

Macoun, J. M. Contributions to Canadian Botany—I.-III. Can. Rec. Sci. 6: 23-27. Ja.; 76-88. Ap.; 141-153. N. 1894.

Record of new localities and critical notes. New species and varieties by Trelease in *Epilobium*, in *Spiesia* by Britton, in *Agrostis* and *Poa* by Scribner.

Macfarlane, J. M. Irrito-contractibility in Plants. Biological Lectures, Wood's Holl, 1893: 185-209. 1894.

Meehan, T. *Aster spectabilis*. Meehan's Month.: 5: 41, 42. pl. 3. Mr. 1895.

Möbius, M. Ueber einige an Wasserpflanzen beobachtete Reizerscheinungen. Biol. Centr. 15: 1-14; 33-44. 1. Ja. and 15 Ja. 1895.

Discussion of irritable organ-positions in *Ceratophyllum*, *Najas*, *Ranunculus*, *Cabomba*, *Myriophyllum*, *Elodea*, *Hippuris*, *Callitriche* and *Chara*.

Mohr, C. Die Wälder des Südlichen Alabamas. Pharm. Rund. 13: 30-33. F. 1895. (Concluded.)

Mottier, D. M. Contributions to the Life-history of *Notothylas*. Ann. Bot. 8: 391-402. pl. 20, 21. D. 1894.

Nash, G. V. American Ginseng; its Commercial History, Protection and Cultivation. Bull. U. S. Dept. Agric. Div. Botany, 16: pp. 22. fig. 1895.

Discusses *Panax quinquefolium*.

Newcombe, F. C. The Cause and Conditions of lysigenous Cavity-formation. Ann. Bot. 8: 403-421. D. 1894.

Nichols, M. A. Observations on the Pollination of some of the Compositae. Proc. Iowa Acad. Sci. 1: 100-103. 1894.

Owen, M. L. *Tillaea simplex*. Bot. Gaz. 20: 80, 81. 16 F. 1895.

Pammel, L. H. Botany of the Russian Thistle. Bull. Iowa. Agric. Coll. Exp. Sta. 26: 8-26. pl. 7. 1894.

Pammel, L. H. Results of crossing Cucurbits. Bull. Iowa Agric. Coll. Exp. Sta. 23: 906-917. pl. 1, f. 2. 1894.

- Pammel, L. H.** Some obnoxious Weeds of Iowa. Rep. Iowa State Agric. Soc. 1893: 437-442. 1894.
- Praeger, R. L.** *Juncus tenuis* Willd. Journ. Bot. 33: 86. Mr. 1895.
Allusion to its occurrence in Ireland.
- Reiche, K.** Zur Kenntniss der Chilenischen Arten der Gattung *Oxalis*. Engler's Bot. Jahrb. 18: 259-305. *pl.* 9. 1894.
- Ridgway, R.** Additional Notes on the Native Trees of the Lower Wabash Valley. Proc. U. S. Nat. Mus. 17: 409-421. 1894.
Measurements given of many species.
- Robertson, C.** The Philosophy of Flower Seasons and the phaenological Relations of the entomophilous Flora and the anthophilous Insect Fauna. Am. Nat. 29: 97-117. *pl.* 8-10. F. 1895.
- Rolfe, R. A.** New Orchids. Kew. Bull. 1894: 361, 363, 364, 392, 393-395. 1894.
Descriptions of a large number of American species.
- Sargent, C. S.** Notes on North American Oaks. Gard. & For. 8: 92-93. *f.* 13-14. 6 Mr. 1895.
Description and illustration of a new oak, *Quercus Toumeyi*, from the hills of Southeastern Arizona.
- Sargent, C. S., Editor.** The Forests of the Wabash Valley. Gard. & For. 8: 101-102. *f.* 16-17. 13 Mr. 1895.
- Saunders, De A.** A preliminary Paper on *Costaria* with Description of a new Species. Bot. Gaz. 20: 54-58. *pl.* 7. 16 F. 1895.
C. reticulata from California.
- Schilling, A. J.** Anatomisch-biologische Untersuchungen über die Schleimbildung der Wasserpflanzen. Flora, 78: 280-364. 4 Je. 1894.
- Schlichter, R.** Beiträge zur Kenntniss Südamerikanischen Asclepiadaceen. Beibl. Engler Bot. Jahrb. 18: Hft. 4. 1-37. 22 Je. 1894.
- Schumann, K.** *Hariota salicornioides*. Monatss. Kakteen K 5: 22-20. *figs.* F. 1895.
- Scribner, F. L.** Giant Knotweed or Sachaline. Cir. Div. Bot. U. S. Dept. Agric. 5: pp. 4. *f.* 3. 1895.
Discusses *Polygonum Sachalinense* and its value as a forage plant.
- Scribner, F. L.** The Flat Pea (*Lathyrus sylvestris Wagneri*.) Cir. Div. Bot. U. S. Dept. Agric. 4: pp. 7. *f.* 2. 1895.
- Small, J. K., and Vail, A. M.** Report on the Botanical Exploration of Southwestern Virginia during the Season of 1892. Mem. Torr. Club, 4: 93-201. *pl.* 75-82. 1893-1894.
Enumeration of several hundred species and descriptions of the following as new: *Trifolium Virginicum*, *Rudbeckia Brittonii* and *Asterina Leemingiae*.

- Small, J. K.** Some new hybrid Oaks from the Southern States. Bull. Torr. Bot. Club, **22**: 74-76. *pl.* 232-235. 26 F. 1895.
- Smith, E. F.** Length of Vessels in Plants. Science (II.) **1**: 77. 18 Ja. 1895.
Some notes culled from Strasburger's "Bau und Verrichtungen der Leitungsbahnen in den Pflanzen."
- Spalding, V. M.** The Traumatic Curvature of Roots. Ann. Bot. **423-450. pl.** 22. D. 1894.
- Spruce, R.** Hepaticae Elliottianae, insulis Antillanis St. Vincintii et Dominica a cler. W. R. Elliott annis 1891-1892, lectae. Journ. Linn. Soc. **30**: 331-372. *pl.* 20-30. 5 F. 1895.
Twenty-six new species are described.
- Stitzenberger, E.** Notes on Western Lichens. Erythea, **3**: 30-32. 1 F. 1895.
- Stubbs, W. C.** Ramie (*Boehmeria nivea*). Uses, History, Composition, Cultivation, etc. Bull. La. Exp. Sta. **32**: 1126-1146. 1895.
- Thaxter, R.** Notes on Laboulbeniaceae with Descriptions of new Species. Proc. Am. Acad. **30**: 467-481. 1895.
New species in *Laboulbenia*, *Heimatomyces*, *Dichomyces*, *Eucantharomyces* (new genus), and *Ceratomyces*.
- Tilden, J. E.** American Algae—Century I. 1894.
Exsiccata of 100 species.
- Underwood, L. M.** Notes on our Hepaticae—III. The Distribution of the North American Marchantiaceae. Bot. Gaz. **20**: 59-71. 16 F. 1895.
Describes *Asterella Pringlei* from Mexico, and *A. Austini* and *A. Wrightii* from Cuba.
- Urban, I.** Additamenta ad cognitionem florae Indiae occidentalis—II. Myrtaceae. Engler's Bot. Jahrb. **19**: 562-576. 28 D. 1894.
- Waite, M. B.** The Pollination of Pear Flowers. Bull. Div. Veg. Path. U. S. Dept. Agric. **5**: pp. 110. *pl.* 12. *f.* 5. 1894.
- Wallace, R. W.** *Calochortus Plummerae*. Garden **47**: 8. 2. F. 1895.
- West, W., and West, G. S.** New American Algae. Journ. Bot. **33**: 52. F. 1895.
A new variety of *Pediastrum duplex* Meyen, and new species of *Tetraedron* and of *Radiofilum*.
- West, W.** Some recently published Desmidiaceae. Journ. Bot. **33**: 65-70. Mr. 1895.